



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/084,346	02/28/2002	Yu-Fu Huang	SUND 286	5594

7590 09/30/2004

RABIN & BERDO, P.C.  
Suite 500  
1101 14th Street, N.W.  
Washington, DC 20005

EXAMINER
----------

SHAPIRO, LEONID

ART UNIT	PAPER NUMBER
----------	--------------

2673

DATE MAILED: 09/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/084,346

Applicant(s)

HUANG, YU-FU

Examiner

Leonid Shapiro

Art Unit

2673

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 June 2004.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1 and 3-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 and 3-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>06-23-04</u> . | 6) <input type="checkbox"/> Other: _____  |

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1, 3, 5-6, 8-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ditzik (US patent No. 5,983,073) in view of Chen et al. (Pub. No.: US 2004/0047310 A1).

As to claim 1, Ditzik teaches a notebook computer with a web pad equipped display (See Figs. 1-2, item 2, page 3, Col. 5, Lines 18-22), comprising;

a base (cover assembly) unit (See Fig. 1, items 8,9 and 16, Col. 3, Lines 60-61); and

a display is detachable from the base unit (item 10, Fig. 1) and can close to and open from the base unit when joined to the base unit (See Figs. 1-2, items 2, 8-10, 16, Col. 3, Lines 60-61), wherein the display comprises:

a display panel (See Figs. 1-2, item 2, Col. 4, Lines 18-27);

a system (main) bus including a PC Card interface which is

electrically connected to the display panel (See Fig.7, items 60, 44, 2, 9, 27, Col. 12, Lines 34-37);

a microprocessor (item 38 in Fig. 7, Col. 11, Line 48-49);

a telecommunication device which is electrically connected to the main bus (See Fig. 7, items 53-54, 33, Col. 11, Lines 37-46);

wherein the display (in the reference equivalent to flat panel assembly) becomes independent when display is detached from the base unit (See Fig. 2, item 2, Col. 4, Lines 53-59), and the notebook computer is formed when the display is jointed to the base unit (See Fig. 3, item 100, from Col. 4, Line 60 to Col. 5, Line 1 and Col. 6, Lines 60-64).

Ditzik teaches a system (main) bus which is electrically connected to the display panel, microprocessor is situated on a system (main) bus and telecommunication device is electrically connected to a system (main) bus.

Ditzik does not show a motherboard which is electrically connected to the display panel, microprocessor is situated on the motherboard and telecommunication device is electrically connected to the motherboard.

It would have been obvious to one of ordinary skill in the art at the time of invention to implement (rename) a system (main) bus as motherboard in Ditzik apparatus in order to combine office desktop and portable/mobile computing and communications applications (See Col. 2, Lines 36-37 in the Ditzik reference).

Modified Ditzik does not show an independent web pad when display is detached from the base unit.

Chen et al. teaches an independent web pad (See Fig. 3, item 56, page 5, paragraph 0067).

It would have been obvious to one of ordinary skill in the art at the time of invention to incorporate teaching of Chen et al. into Ditzik system in order to use more fewer components (See page 2, paragraph 0018 in the Chen et al. reference).

As to claim 3, modified Ditzik teaches a memory unit which is situated on motherboard (See Fig. 7, items 40, 42, Col. 12, Lines 13-17).

As to claims 5, 9 Ditzik teaches the display panel is a Liquid Crystal Display (LCD) (See Figs. 1-2, item 2, Col. 4, Lines 18-27).

As to claims 6, 10 Ditzik teaches the telecommunication device is a wireless telecommunication device (See Figs. 1, 7, items 32, 53-54, 33, Col. 4, Lines 44-59 and Col. 12, Lines 50-67).

As to claim 8, Ditzik teaches a display attachable to base unit of a notebook computer with a web pad equipped display (See Figs. 1-2, item 2, page 3, Col. 5, Lines 18-22), comprising;

- a display casing is detachable from the base unit (item 2, Fig. 1) and can close to and open from the base unit when attached to the base unit (See Figs. 1-2, items 2, 8-10, 16, Col. 3, Lines 60-61);

- a display panel situated inside the display casing(See Figs. 1-2, item 2, Col. 4, Lines 18-27);

- a microprocessor (item 38 in Fig. 7, Col. 11, Line 48-49);

- a telecommunication device which is electrically connected to the main bus (See Fig. 7, items 53-54, 33, Col. 11, Lines 37-46);

- wherein the display (in the reference equivalent to flat panel assembly) becomes independent when display is detached from the base unit (See Fig. 2, item 2, Col. 4, Lines 53-59), and the notebook computer is formed when the display is jointed to

Art Unit: 2673

the base unit (See Fig. 3, item 100, from Col. 4, Line 60 to Col. 5, Line 1 and Col. 6, Lines 60-64).

Ditzik teaches a system (main) bus which is electrically connected to the display panel, microprocessor is situated on a system (main) bus and telecommunication device is electrically connected to a system (main) bus.

Ditzik does not show a motherboard which is electrically connected to the display panel, microprocessor is situated on the motherboard and telecommunication device is electrically connected to the motherboard.

It would have been obvious to one of ordinary skill in the art at the time of invention to implement (rename) a system (main) bus as motherboard in Ditzik apparatus in order to combine office desktop and portable/mobile computing and communications applications (See Col. 2, Lines 36-37 in the Ditzik reference).

Modified Ditzik does not show a web pad equipped display is detached from the base unit.

Chen et al. teaches an independent web pad (See Fig. 3, item 56, page 5, paragraph 0067).

It would have been obvious to one of ordinary skill in the art at the time of invention to incorporate teaching of Chen et al. into Ditzik system in order to use more fewer components (See page 2, paragraph 0018 in the Chen et al. reference).

2. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ditzik and Chen et al. as applied to claim 1 above, and further in view of Makinwa et al. (US Patent No. 5,750,939).

Ditzik and Chen et al. teach a stylus with which the user uses to touch the display panel to input control signals (See Fig. 2, item 7, Col. 5, Lines 18-22).

Ditzik and Chen et al. do not show how to insert stylus into a stylus slot of the display.

Makinwa et al. teaches to insert stylus into a stylus slot of the display (See Fig. 6, items 102, 602, 604, Col. 5, Lines 41-55).

It would have been obvious to one of ordinary skill in the art at the time the invention to Makinwa et al. approach of storing stylus in Ditzik and Chen et al. apparatus in order to store stylus in standby mode (See Col. 2, Lines 47-48 in the Makinwa et al. reference).

3. Claims 7, 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ditzik and Chen et al. as applied to claim 1 above, and further in view of Chen et al. (Pub. No.: US 2001/0030950 A1).

Ditzik and Chen et al. do not show the transmission of the telecommunication device is a Bluetooth transmission.

Chen et al. teaches web pad has Bluetooth wireless interface (See Fig. 3, items 52, 56, page 5, paragraph 0067).

It would have been obvious to one of ordinary skill in the art at the time the invention to implement Chen et al. and Chen et al. approach of Bluetooth interface in Ditzik apparatus in order to provide broadband communications to the home environment (See page 1, paragraph 0016 in the Chen et al. reference).

### ***Response to Amendment***

4. Applicant's arguments filed on 06.23.04 with respect to claims 1, 3-11 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.



***Telephone inquire***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leonid Shapiro whose telephone number is 703-305-5661. The examiner can normally be reached on 8 a.m. to 5 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on 703-305-4938. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ls

09-20-04



**VIJAY SHANKAR  
PRIMARY EXAMINER**